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RAW SEQUENCE LISTING

DATE: 04/18/2003

PATENT APPLICATION: US/09/972,758A

TIME: 15:54:26

Input Set : A:\277084004.ST25.txt

Output Set: N:\CRF4\04182003\I972758A.raw

3 <110> APPLICANT: Case Western Reserve University
4 Montano, Monica
5 Wittman, Bryan
7 <120> TITLE OF INVENTION: Suppressors of Human Breast Cancer Cell Growth
9 <130> FILE REFERENCE: 27708/04004
11 <140> CURRENT APPLICATION NUMBER: US 09/972758A
12 <141> CURRENT FILING DATE: 2001-10-05
14 <150> PRIOR APPLICATION NUMBER: US 60/238,187
15 <151> PRIOR FILING DATE: 2000-10-05
17 <160> NUMBER OF SEQ ID NOS: 7
19 <170> SOFTWARE: PatentIn version 3.1

ENTERED

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22 <211> LENGTH: 1080
23 <212> TYPE: DNA
24 <213> ORGANISM: Homo sapiens
26 <400> SEQUENCE: 1
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31 cccgaggagg acagtaggtg gcaatcgaga gcgttccccc agttgggtgg ccgtccgggg 180
33 ccggaggggg aagggagcct ggaatcccaa ccacctccct tgcagaccca ggctgtcca 240
35 gaatctagct gcctgagaga gggcgagaag ggccagaatg gggacgactc gtccgctggc 300
37 ggcgacttcc cgccgccggc agaagtggaa ccgacgcccc aggccgagct gctcgcccag 360
39 ccttgtcatg actccgaggc cagtaagttg ggggctcctg ccgcaggggg cgaagaggag 420
41 tggggacagc agcagagaca gctggggaag aaaaaacata agagacgccc gtccaagaag 480
43 aagcggcatt ggaaaccgta ctacaagctg aactgggaag agaagaaaaa gttcgacgag 540
45 aaacagagcc ttcgagcttc aaggatccga gccgagatgt tcgccaaggg ccagccggtc 600
47 gcgccctata acaccacgca gttcctcatg gatgatcacg accaggagga gccggatctc 660
49 aaaaccggcc tgtactccaa gcggggccgc gccaaatccg acgacaccag cgatgacgac 720
51 ttcatggaag aaggggggtga ggaggatggg ggcagcgatg ggatgggagg ggacggcagc 780
53 gagtttctgc agcgggactt ctcgagagacg tacgagcggg accacacgga gagcctgcag 840
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59 cgtgtgcggg agctggagct ggagctggac cggtgcgcg ccgagaacct ccagctgctg 1020
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65 <211> LENGTH: 359
66 <212> TYPE: PRT
67 <213> ORGANISM: Homo sapiens
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72 1 5 10 15
75 Asn Cys Thr Gly Ala Ala Ala Val Gln Glu Glu Leu Asn Pro Glu Arg
76 20 25 30

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79 Pro Pro Gly Ala Glu Glu Arg Val Pro Glu Glu Asp Ser Arg Trp Gln
80      35      40      45
83 Ser Arg Ala Phe Pro Gln Leu Gly Gly Arg Pro Gly Pro Glu Gly Glu
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87 Gly Ser Leu Glu Ser Gln Pro Pro Pro Leu Gln Thr Gln Ala Cys Pro
88 65      70      75      80
91 Glu Ser Ser Cys Leu Arg Glu Gly Glu Lys Gly Gln Asn Gly Asp Asp
92      85      90      95
95 Ser Ser Ala Gly Gly Asp Phe Pro Pro Ala Glu Val Glu Pro Thr
96      100     105     110
99 Pro Glu Ala Glu Leu Leu Ala Gln Pro Cys His Asp Ser Glu Ala Ser
100     115     120     125
103 Lys Leu Gly Ala Pro Ala Ala Gly Gly Glu Glu Glu Trp Gly Gln Gln
104     130     135     140
107 Gln Arg Gln Leu Gly Lys Lys Lys His Arg Arg Arg Pro Ser Lys Lys
108 145     150     155     160
111 Lys Arg His Trp Lys Pro Tyr Tyr Lys Leu Thr Trp Glu Glu Lys Lys
112     165     170     175
115 Lys Phe Asp Glu Lys Gln Ser Leu Arg Ala Ser Arg Ile Arg Ala Glu
116     180     185     190
119 Met Phe Ala Lys Gly Gln Pro Val Ala Pro Tyr Asn Thr Thr Gln Phe
120     195     200     205
123 Leu Met Asp Asp His Asp Gln Glu Glu Pro Asp Leu Lys Thr Gly Leu
124     210     215     220
127 Tyr Ser Lys Arg Ala Ala Lys Ser Asp Asp Thr Ser Asp Asp Asp
128 225     230     235     240
131 Phe Met Glu Glu Gly Gly Glu Glu Asp Gly Gly Ser Asp Gly Met Gly
132     245     250     255
135 Gly Asp Gly Ser Glu Phe Leu Gln Arg Asp Phe Ser Glu Thr Tyr Glu
136     260     265     270
139 Arg Tyr His Thr Glu Ser Leu Gln Asn Met Ser Lys Gln Glu Leu Ile
140     275     280     285
143 Lys' Glu Tyr Leu Glu Leu Glu Lys Cys Leu Ser Arg Met Glu Asp Glu
144     290     295     300
147 Asn Asn Arg Leu Arg Leu Glu Ser Lys Arg Leu Gly Gly Asp Asp Ala
148 305     310     315     320
151 Arg Val Arg Glu Leu Glu Leu Glu Leu Asp Arg Leu Arg Ala Glu Asn
152     325     330     335
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187 <210> SEQ ID NO: 5
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189 <212> TYPE: DNA
190 <213> ORGANISM: Homo sapiens
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196 <210> SEQ ID NO: 6
197 <211> LENGTH: 38
198 <212> TYPE: DNA
199 <213> ORGANISM: Homo sapiens
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206 <211> LENGTH: 42
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208 <213> ORGANISM: Homo sapiens
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VERIFICATION SUMMARY

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